## 自国性学士自有

## SEALAB II

B.L. CANNON USNMOL

7530-222-3521
FEDERAL SUPPLY SERVICE
(690)

THIS LOG BEGON Z July 1965 2 Lesky 1965 - A.L. ENROUTE TO LONG BOARD 3 John - X " 4 Joly - X " " 5 July - X " " 6 July - A.L. ENPOSTE TO how B. 7 John - × " " 8 July - REPORTED TO VISITOR CONTROL AT NOTS ANNEX, L.B., 0650. MADE CONNECTION WITH SEA LAB FERSONEL AT NOTS DIVING LOCKER, SPENT DAY GETTING GREANIZED, LOCKING GUER SOALAR II, ETZ, JEWRED WORK AT 1600. MILEAGE ON APRIVAL AT LONG BOTHELY, 31,609

9 July - REPORTED FOR WORK @ Q730 -STARTED to DAY wITH LOCTURES BY HOWARD MACWAY , SENS WAVAY ARCHITECT ON Complete PATRILS OF SEALAR II. LOTTORES CONTINUED ALL DAY. SECURED AT 1600 FOR THE DAY. 10 thy - starozony -DEPARTED NATEL AT 15/30 FOR LOS ALDMITOS NAS. 70 UNLOND 2 PLANT LOADS OF SEALAB IT GEAR FROM MOL, TER GEAR TO NOTS ANNER TERMINAL ISLAND. SECURED WORKING PARTY AT 1909. 11 July - SUNDAY -HOLIDAY ROSTINE, NO WORK. 12 July - MONDAY-0700 - REPORTED YOR WORK -DAY SPENT GOING OVER DETAILS DIVE BILLS, ETC OF SOA LAB II. MR. MACWAY PROSIDING + LOCTURING. SEWRED WORK AT 1600

13 July - TUESDAY

0700 - REPORTED FOR WORK.

ALL SEALAR PERSONNER WENT TO

SHIPYARD WHERE SEALAR II IS, SPENT

DAY TRACING VARIOUS SYSTEMS. TRUMED

TO TOM WHEELER, NOTS INSTRUMENTATION

ENGR, ABOUT VARIOUS COMMUNICATION SYSTEMS.

TALKED TO BILL GIPEPPER + BOB POLITER, MOL,

SETURED WORK AT 1600.

14 July - WEDNESDAY
0700 - REPORTED FOR WORK.

Day SPENT STUDYING SYSTEMS & DETAILS
OF SEALAB IT. MR. MACWAY SAII INSTRUCTION,
SECURED WORK AT 1530.

15 July - THURSDAY
0700 - REPORTED FOR WORK.

SPENT THE DAY GOING OVER THE VALUE
OPERATING CHART. QUIZ IN THE AFTERNOON
SECURED WORK AT 1530.

16 July - FRIDAY

0700 - REPORTED FOR WORK

Day SPENT STUDYING SYSTEMS OF SEALAR I,

GOING OVER LOCATIONS & OPERATIONS, ETC.

SECURED WORK AT 1600

17 July - SATORDAY REGULAR WEEKEND ROSTINE

18 July - SUNDAY REGULAR WEEREND PONTINE

19 July - MONDAY

0700 - REPORTED FOR WORK
ASSIGNED TO BE ELECTRICAL SPORTALIST

ON THAM 1. SPENT HALF DAY IN S.L. IT

GETTING GRIENTED WITH RESPORT TO ELECTRICAL

SYSTEM. OTHER HALF DAY SPENT OREANISME

LECTURE TO GIVE TRAINING TOWN BRAVO.

SEZURED AT 1000.

20 July - Tuesday
0700 - REPORTED FOR WORR

GAVE LOCTURE ON SEALAB IT POWER SYSTEM
TO TEAM BRAVO AN MORNING. TRIED ON NEW
WETSUIT AFTER LUNCH. PANTS 3 IN. TOO LONG.
OTHORWISE GOOD FIT. 3/8 IN. LOOKS REAL THICK.
VORY HEADLY, TOO, SECURED WOLK AT 1400.

an International State State State State

THE LOCAL MONEY ASSESSMENT OF SHAPE SHAPE

A. OLINE SIN SIN KUTTELL SULMEN SINNE

Box Come New York That saying & Com Station

21 July - WEDNESDAY 0700 - BEPORTED FOR WORK TEMPORARY PASS HAS ETPIRED, LITTLE TROUBLE. WITH SOURTY DUE TO EXPIRATION OF CLEPRANTE BUT BY NOON (BARANGE IN TARU 10-11-65. SPENT THE MURNING HOLDING INDOCTRINATE THE B TEAM INSIDE THE SEALAB. SCAFFELDING IS UP FIR FRIDAYS GERISTENING . UNDERSOCNAN AND DAUGHTER to DO HONORS. NO WORD YOT ON WHERE EVERYONE WILL BO PLACED . AFTERWOOD SPONT AT U.S. DIVERS 3323 W. WALWER PD, SONTO AND GETTING WET SUITE PANTS TAKEN UP. TOMMY TAONPSON, U.S. DIVERS YOUR US PARY THE WHOLE OPERATION NEW NICE TO US, 115 employees. Most Activing was BuilDING WETSOUTS. JEZURED WORK AT 1700.

22 July - THURSDAY

0700 - REPORTED FOR WORK

WORD PASSED AT MURNING MEETING ABOUT

PRES CONFERENCE FRIDAY AT 0930, CREEKS

WITH SEALAB PATCH ON LEFT SCEEVE. D'ID

SOME INVENTORY WORK ABOARD CAT, MEETING AT

1300. CARPONTER SAYS ANDERSON OFF TEAM AS

SUBJECT. TUCK REPLACES HIM ON TEAM I, P.A Wells

REPLACES HIM AS SUBJECT. MADE SEA LAB LOOK

INHABITED (DISHES OUT, BEDS MADE, ETC) FOR

VISITORS LOCKING THRU THE POLTS FRIDAY. CHRISTENING AT 1430, SMOULD CAST 1 HOUR. SECURED WORK AT 1600.

23 July - FRIDAY

0800 - REPORTED FOR WORK,

BRIEFING BY PAPT, MELSON ABOUT PLESS GUT.

AT 0930, WHAT TO EXPECT, ETC.

0950 - PLESS CONFERENCE, LATS OF PLESS,

TV, CAMERAS GALORS. ESTIMATE 30 NEWSMON,

FIRST TORM NAMED:

CANNON, CARPENTER, CLARKE, COFFMAN, EATON,

JOHLER, MURRAY, SKIDMORE, SONNEWRE, TOCKFIELD.

JETOND TERM WIM BE NAMED ABOUT MIDWAY

OF FIRST PON,

0230 - CHRISTONING CEREMONY. MISS HOID;

NITHE, GUEST OF HONOR. ALL SUBJECTS INTRIPUCED

TO GUESTS.

SECURED AT 1600.

24 Suby - SATURDAY

ROUTING HOLIDAY

25 July - SUNDAY POSTINE HOLIDAY 26 July - MONDAY 0700 - REPORTED FOR WORK DAY SPONT ON ODD LOBS ON SEPLAB, CARPYING EQUIPMENT ABOARD SIV, GTC. SECURED WORK AT 1600.

27 July - TUESDAY

8700 - REPORTED FOR WORK

MOVING GEAR ABOARD S/V TOOK NEARLY

All MORNING, A FREENOOD SPENT IN INVONTORYING
20 NEW CEYLINDERS (10 72'S + 1042'S)

STENCILING THEM, MARKING 10 NEW PEOPLATORS,

PUTTING THEM ON BOTTLES + clarking Them

OT. SECURED WORK AT 1600,

28 July - WEDNESDAY
0700 - REPORTED FOR WORK

SPENT MORNING STORING LITHIUM HYDROKIDE
ABOARD SEALAB II, ANAWAK'S COME IN,
4 DNITE, 2 VACUUM PLYPS 2 PRESENCE
PLYPS, All HAVE 3 PHASE I HP 40 OR 20 8.
IN ATTERNOON MET AL KRASBERG AND SAW
THE O2 UNITS, SHOWED ME HOW TO CAL THEM.
WANT TO DONTAL CHECK, FOUND ON I HOW TO
GET MY IMPACTED WISDOM TOOTH PSHED RIGHT
AWAY. NAVY WILL NOT DO IT SO DR. SONDENBURG
MADE AN APPOINTMENT FOR ME WITH AN

ORAL SURGEON WHO CUT THE TOOTH OUT.

JEWRED WORK AT 1530 to LEAVE FOR THE DENTIST.

29 July - THURSDAY
TOOK DAY OFF, SICK LEAVE, BETAUSE I GOT
A WISDOM TOOTH CUT ON WEDNESDAY AND
DIDN'T FOOL TOO HOT.

Took Day Off, Sick LEAVE. AT 1500 GOT

CAN FROM SNEW, MIC TO SEE DIR. SONNEWBORG

ABOUT EYE ETAM ON PAE HAVEN, USN HOSPITAL

THP. DROVE OUT TO BASE GOT DR. SONNEWBURG

AND WENT TO THE HAVEN. THE OPTHALMOLOGIST HAD

JUST LEFT SO MONDAY AT OBOO I will BE BACK.

THE RESULTS OF THE EYE ETAM (PORIPHERY TESTS)

WILL BE CALLED TO DR. BOND IN DC. SOMETHING TO

DO ABOUT TO WAIVER. DR SONN. SAYS NO

SWEET FAN BS I'M CONCERNED.

31 John - SATURDAY

0900 - REPORTED for WORK. AL KRASBETRE

GAVE ME AN EXPLANATION OF HIS POR SENSOR.

ALSO DETAILS ON HONTO CAL, ETC. HE IS

SENDING SOME STARE PARTS AND A CIPWIT DIAGRAM.

SERVE TO KNOW HIS STUFF. AND HELPED

LASH THO ELECTRICAL CABLES IN THE UMBILICAL
TOGETHER. THE GAS HOSES BALLOWED IN
SOVERAL PLACES, ARE BEING REPLACED,
PONTAPS BY A CLEAR VINY WITH NYLON LACING
IMBEDDED IN IT,
SECURED WORK AT 1430.

1 AUGUST - SUNDAY 1300 - REPORTED TO SEALAR FOR SYSTEM CHECKENT ON DOCK. MEMBERS OF 1 TEAM PRESENT WERE CAMPONTER, ENTON) TOCKFIELD, JOHLER, CANNON, WE ENTERED THE LOB, closed All HATCHES & PLESSURIZED To 5 P.S.I. PAN GLOCAL SYSTEM CHOCKENT Justelline from ALTORNATO to Nolaral POWER. No Phobloms ENGUNDERED IN FLOTTRICAL BUT JOME LOAKING VALVES WERE ENGUNTERED, THEY WILL BE REMOVED + RESEATED. XTAR ROOM TEMP WENT FROM 84 TO 92 +, STABILIZED. KRASBERG GITLET NOT WIRED YOU BUT will BE. KLASBERG PERFORMED SATISFACTORILY, WAS NOT CONNECTED TO SOLONOID. SOUROD TESTING AT 1760.

2. AUGUST MONDAY

0700 - REPORTED FOR WORK

0800 - DR. SONNENBURG AND I WENT to

THE HAVEN FOR MY PERIPHERY TESTS. THE

OPTHALMOLOGISTS OPINION WAS THAT MY VISION DID

NOT HUDER MY DIVING ABILITY. DR. BOND IS IN

CUASHINGTON SOOTING PROJET THE WAYVERS FOR

ME, TOLBORT, CLARKE & FLOTHSIE.

AFTER BYE ETAM, WENT PROAPD S/V 70

PROPARE DE CLORN TOOL KIT FOR BOTTOM,

WONT TO DISBURSING & DROW \$112.00

ADVANCE PER DIEM,

Sowed work At 1300.

3 ANGUST - TUESDAY
0700 - REPORTED FOR WORK
IN THE MORNING WORKED ABOARD THE SUFFERT
VESSEL GETTING SPUFT STOWED. FOHER T

I YOOK KRASBERES INVERTER AND AROUAL
COMPRESSORS TO DIVING LOUKER FOR PROTECTE
TEST. WITH DO BT 0800 WEDNESDAY.
HOLLED SQUARE AWAY CLASS ROOM GOR
FILM ON WEDNESDAY
SOUROD WORK AT 1600.

FRUGUST WEDNESDAY

BEPORTED FOR WORK AT 0700 
AT 0800 WENT TO LBNS DIVING LOCKER TO

OBSERVE INSTRUMENTS BEING PRESSURE TESTED,

AND PRESSURE THE TEST SATISFACTORILY. WORKED

ON GETTING THE ARAWAK LINED UP FOR A

SWIM SESSION NETT WEDNESDAY, SEWPED

AT 1600. PTC APRIVED

5 AUGUST - THURSDAY

0700 - REPORTED FOR WORK

SPONT THE DAY GETTING STUFF STOWED

ABOTED S/V AND WORKING ON THE ARACHE

HOOKUP. LOT OF TIME CONSUMED BALL DAY

JUST GETTING PARTS. SECURED AT 1600,

6 ANGUST - FRIDAY
0700-REPORTED FOR WORK
WORKED ABOARD THE SEN STOWING GILSCERIES
IR SENLAB. IT APPEARS MUCH CONSIDERATION
BEING GIVEN TO MOVING SITE TO SAN CLEMENTE
ISLAND, UNOFFICIAL WORD IS THAT FIRST TEAM
WILL DIVE ABOUT AUGUST 23. HOPE So.
JETURED AT 1600

7. AUGUST - SATURDAY 0900 - REPORTED FOR WORK. SPENT DAY GETTING ADAWAK ALL NOOKED UP FOR OPERATION. WIRED THEM UP FOR 220 3 \$, PLAN GOR OPERATION CAMS FOR I ARAWAK to BE USED WITH THE OTHER ONE ON STANDBY. A CROSSOVER VALUE WOULD PUT SECOND UNIT ON LINE TO DIVER. SECURED WORK AT 1530.

8 AUGUST - SUNDAY HOLIDAY PROUTING

9 AUGUST - MONDAY - 0700 - REPORTOFORWORK DRISTIM MILLER, RADLOFF + BOWEN ADMINISTERED DUDIO VISUAL, ASSEMBLY + MATA TESTS. DR BOWEN SHOWED WE HIS SOLID SMITE RETURDER ASKED THAT I OUTSOE IT ON BOTTOM, SOUD TAPES UP, ETE. IT will Boused By PERSONNEL DESIRING TO ELABORATE ON WRITTEN SORTE REPORTS. LARPENTER, MAZZONE, MESTLS, ILEY, BARIA, BUNTON WENT to SON CLEMENTE TO DIVE ON SITE. MAZZONE HAD TROUBLE AT 204 ft DUE to MALFUNITIONING REGULATER. HE IS O.K. 100 ft VISIBILITY WAY DIE SAND BATTEN, JEWRED AT 1600. AGTER WORK I WENT TO THE OUTRIGGER TO TALK TO DR. SIM JAKOBSEN WHO INVENTED THE EXE RECORDER PACKAGE THAT Joint of the DIVERS will Be working. Sow Tho UNIT. IT CONSISTS OF 8 LEMOS with CUP ELECTRONS APPR XINATERY / DIMM. RUNNING TO WATERPROOF

CONTAINER ABOUT 5 W x 3 D x 7 %. THIS
CONTAINS A PRETAMP, AND, PUR SURPLY & STRIP
BECORDER, WHICH I DIDNOT SEE, CLAIMS 20
MINUTE RECORDING. PROMISED ME THE SCHEMATICS
OF THE WHOLE WORKS.

10 AUGUST - TUESDAY

0700 - BEPORTED FOR WORK

TPLK ON SHARKS AT 0900 BY DR PERRY

GILBERT, GRNEIL, ATTORWARDS WORKED WITH

BOB PORTER ON ELEVERICAL HOOKEPS ABOARD

S.L.II. (APT. BOND SAID PLAN IS TO PUT

S.L. II DOWN IN LATELLA AT LEAST FOR 1ST

TEAM RWN. IF CONDITIONS TOO BAD FOR DECENT

OCEANOGRAPH DOTA + EXPERIMENTS PLANNED, MAY

MOVE TO SAN CLEMENTE FOR 2ND + 3PD TEAM

RUNS. JEWRED AT 1600.

11 DUGUST - WEDNESDAY

0700 - REPORTED FOR WORK

SPENT MORNING WITH BOB PORTER WORKING

ON ELECTRICAL HOOKUPS. SPENT AFTERNOON

TROUBLE SHOOTING THE DIVER AMPLIFIER WHICH.

WILL COMMUNICATE WITH THE BOLL, REPLACED

THE BELL SPENKER WHICH WAS BAD. THERE IS

LOPS OF NOISE PRESENT SOUNDS LIZE AC HUM.

THE WIRES ARE UNSHIELDED WHICH MAY

BE THE TROUBLE.

## SE CURED WORK AT 1600

12 AUGUST - THURSDAY

0700 - PEPORTED FOR WORK.

MORNING SPONT PUTTING POS, MK 16 TO BATTERIES ABOARD SLIT. HALPING PORTER

CHOCK ONT SOME CIRCUITS AND CHECKING TOLE

RELAY-TUPE BATTLE LANTERNS. IT APPEARS

THE TEMP. SONSORS ARE BACKWARDS IN THE

FRED ZER AND REFRIG. LAFE MAN SHOWED

ME HOW TO LOAD HIS FIXED CAMERAS & TEST

FIRE THEM. MPL GUYS MOUNTED THEIR INTERIOR

TV CAMERAS. 4 CAMERAS ARE MONITORED ON

CHANNELS 2, 3, 4 TG. SPENT AFTERNOON

WORKING ABOARD S.L. II. SEWRED WORK

AT 1900

13 AUGUST - FRIDAY
0700 - REPORTED FOR WORK.

SPENT MODNING RIGGING JOME AQUASONICS FOR

MK 6 USE AND CHECKING OUT THE SWIMMOR

INTERCOMS, U.S. DINERS GOVE HE 4 VALUE ASSYS.

GRATIS: IN THE AFTERNOON I WORKED ABOARD THE

SEALAB HOLPING BOB PORTER, CONNECTED OF

GROUND WEST TO THE TV. ALSO GOT FITTED

WITH MY NEW WET SOIT MADERBY DICK

LONG OF SKINDINERS UNLIMITED. IT FITS

SO SHUG THAT WHOU I ZIPPED THE AUKLE

SHOT A BUBBLE OUTED UP TO MY APAPTS FROM EXCH LEZ. SURE IS HARD TO GET ON THE SOURED AT 1830.

14 AVEUST - SATURDAY

0900 - REPORTED FOR WORK

THE INDICATOR LIGHTS ON THE FREEZER THERMOSTATIC

CONTROL ARE MALFON STONING, SPORT MOLINIO

TRUBLE SHOOTING BUT GULDN'T FIND ANY THISE

WONG. THE POWER WAS TORNED OFF JO J

DIDNIT GET TO CHECK IT OUT LATER, FOUND

OUT THAT THE 10 CHANNEL EVENT RECORDER IS

ELECTROSTATIC, GENERATES OFONE AND PROBABLY

WILL NOT BE ALLOWED TO BE USED.

15 AUGUST - SUNDAY
1000 - REPORTED FOR WORK,
BRIEFING BY CAR. CARPENTER REGARDING
SLIPPAGE OF LEAVE DATE OF S/V. WORD IS
THAT S/V WILL LEAVE TUESDAY IF PTC
IS READIED IN TIME, A LOOSE PIPE FITTING
WAS FOUND ON PTC. MAY HAVE TO REPLAND All
THE PIPING DEPENDING ON X-RAY, DID SOME
WORK ABGARD THE LAB. SECURED AT 1230.
INDICATOR LIGHT ON FROM ZER THERMOSTAT
IS O.K. NOW.

16 AUGUST - MONDAY 0700 - REPORTED FOR WORK

CARPENTER SAYS 10 CHANNEL EVENT

BECORDER WILL BE USED UNTIL IT APPEARS

TO BE CAUSING EXCESSIVE 03. IT IS NECESSARY

FOR IT IS ONLY RECERD OF PO2 SIGNOID VALUE.

GENERAL WORK ABOARD SIV AND LEADING OF

GROCERIES ABOARD LAB. SEWRED AT 1600.

17 AUGUST - TUESDAY

OSOO - REPORTED FOR WORK

All VALUES CHECKED ABORD LAB FOR BAVASTICE

+ TRIMMING. SOME BALLAST WAS SHIFTED FUND

ALSO SOME ISOO # ADDED. ONLY ONE LEAK

FOUND, THE STED PORT GNER IN THE LAB AREA

LEAKED. TORQUING DOWN ONLY WORSENED THE

LEAK. THE EMERGENCY WATER TANK WAS FILLED

LEAKED. TORQUING DOWN ONLY WORSENED THE
LEAK. THE EMERGENCY WATER TANK WAS FILLED
PRIOR TO WAS LOWERING. THE VENTING OVERFLOW
WORLD GOOD. IN THE AFTERNOON CAMPONTER MAZZONE
SONDENEUROSC AND SHEATS RODE THE PTC TO CHECK THE
EMERGENCY RELEASE MERITANISM. HAD TRUSHE WITH
THE RELEASE PIN STICKING UNTIL THEY PARTTALLY
PLINED DOWN THE PTC. USER UP THOIR BOTTOM
TIME. DEPTH WAS 53 ft By LEAD LINE. AFTER
DOME TOPSIDE WORK ON THE RELEASE PIN BUSHING,
ANOTHER PON WAS MADE WITH TUKFIELD, MEEKS,
JOHLER + ME. THE PIN RELEASED FINE BUT WE

PARO THE VALUES WRONG AND FREDWHEELED TO
THE OND OF THE TETHER. WE WERE PAISED,
PETERVED MORE INSTRUCTIONS AND LOWERED ABAIN.
THIS TIME WE OPERATED THE ESCAPEMENT COLLECTING
AND COILD LIMIT OUR ASCENT TO ONE NOTEH OF
THE ESCAPEMENT WHEEL AT A TIME, THE PLESSURE WAS
260. WE LOWERED PRESSURE TO 140 PSI + TRIED
THE FREE-WHEELING. WORKED GOOD, MADE A
2 MIN, STOP AT 10 FT. SETURED OF 2200,
THE STAGING VESSEL PULLED OUT TOMACHT,
WEDNESDAY,

6900 - REPORTED FOR WORK,

LOADED SOME GEAR ABOARD THE LAB STARTED

STOWING & SECURING SOME THINGS. THE LEAKING

PORT COVER WAS OPENED AND FAILURE OF GASKET

TO BOND & TO COVER WAS BLAMED, NEW GASKET

AND NEW CEMENT WERE UTILIZED. SECURED

WORK AT \$1700.

19 DUGUST - TAURSDAY

0800 - REPORTED FOR WORK

THE LAB WAS CHECKED OUT (VALUES) AND

LOWERED IN WATER FOR FINAL BALLAST + TRIM,

CARPENTER & GATON CHECKED ALL GAS BUTTLES

+ GUNETIONS GR LEAKS. FUND 2, 1 ON

CO. BANK, 1 ON HE BANK. O, WAS

ROMEDIED BY TIGHTONING FITTING. HO WAS
BAD BLOWDT PLUG. FITED. INTERIOR, IT
WAS FOUND THAT NEARLY ALL THE MANIFOLD
VALUES LEAKED SLIGHTLY AROUND THE PACKING.
HZ HULL VALUE LEAKS THROUGH THE SEAT.
CARPONTER SAYS AN LEAKY VALUES WIM BE
REPLACED IF ROSSIBLE. I SEWRED WORK AT
1830 BUT LAB WAS PRESSURIZED TO
15 PSI T PUT UNDER TOW BY GEAR AT
ABOUT 2130. LEFT LONG BEACH AND PRICEDED
TO SAN DIEGO AS PER OPPORS.

20 AUGUST - FRIDAY
0800 - REPORTED FOR WOLK AT SCRIPS.

A BRIEFING WAS GNOWDED BY GAFT MEST,
BENETH CARPENTER. EATON COHMAN & I HAD
TO GO TO NAVAL HOSPITAL FOR MORE PHYSICALS,
PSYCHOLOGICAL TOSTING & EEG. SOWRED AT
1700.

21 RUGUST - SATURDAY
0800 - REPORTED FOR WORK AT SCRIPPS
GENERALIZED BRIEFING & STATUS REPORT GUAN BY
CAPT. MeLSON, BOND & CARPENTER. FIRST FORM ASKED
TO RIDE AUR-10 FROM QUIVIRA BASIN TO BERKONE (SW)
WITH ADMIRAL SMITH WE DID. PRESS GENERALIZE
HELD ON BOARD S/V WITH ALL QUESTIONS ASKED OF
BOND & CARPENTER. INTERVIEWS & PICTORES CHERE TO

Follow But No ONE Application ME for BITHER, SIME INTEREST SHOWN IN CAMIP. Types, I.ET SONDENBORE, SKIDMORE, MIRRAY & CHARKE.

REVIEWED PIPING & PROCEDURES IN P.T.C. JOT UP MY 6 RIG # 8 TO BE MINE. ON-OFF VALUE HAD BAD O-PING. I FIVED IT, RIG LOOKS GOOD ENOUGH TO DIVE. SECURED AT 1830.

JUNDAY - 22 AUGUST /200 - REPORTED FOR WORK, FIRST TEAM ONLY MET AT SCHIPPS PIER FOR SMALL BOAT RIDE TO S/V. SIRPESED TO OPEN LAB + Stow LAST PERSONAL CEAR THEN PRESSURETE FOR DIVE. THE WORD IS: SINCE THE BONTHIC FLOODED AND IN LOWERING, THE POWER UPULT WAS CRACKED AND DAMAGED, A TEST OF LOWERING THE PIC PRESENT UNMANNED MUST BE CONDUCTED. ALSO, THE PERSON 15 Too STEEP (30-40%) FOR EMPLACEMENT SO A SITE ABOUT 120 ST FROM THE ORIGINAL (15) SINKHOLD SITE WILL BE USED. VISIBLES AIN'T GOED, TOOK 6 MIN FOR 5 FT SILTCHOUD TO Servle, Depth ABOUT 195 ft, But it is LOVEL. GOT A BRIEFING FROM DR. MILLER PROUT PAS Sous Lecalization experiments I will for fol HIM. ELKINS WILL BE ROOL INTERESTED IN THE DESILIZ, ALSO I will TAKE CARD OF TOLBORIS FLOWER GARDON ON IST TORM.

CARPOUTER SAYS HE'S AGAINST PUTTING LAB

POUR UNTIL STAPE POWER IS FIXED & CONNECTED.

J. CONCUR. ADOKS LIKE WEDNESDAY IS THE

OCCUPANCY DAY IF NOTHING ELSE HAPPENS BAD.

THE LAB WILL BE OPEN YOURROW MAY BE. ALSO THE

PTZ PBST WILL BE PUN MONDAY.

SEWROD AT 1700.

23 AUGUST - MONDAY 0800 - REPORTED FOR WORK VENTED THE LAB (LEFT TANKS AT 10 PS.) LAST MINUTE LEADING OF PERSONAL GEAR. LOTS OF WATER FOUND AROUND FORWARD EMERG. ESCAPE HATCH + AFTER MAIN HATCH. TASTED IT AND IT WAS PRESH. CONCLUSION: IT CAME FROM THE HOT WATER HTR AND GUERFLOW SLOSHING OF THE EMERGENCY ISO GOLLON WATER. PUMPED THE WATER INTO BUCKETS AND OVER THE SIDE. LEADED PERSONAL + MEDICAL GEAR ABOARD + STOWED. STILL NO POWER ABOARD THE LAB SE BATTLE LANTERNS COME IN HANDY. OH IN THE (UNMANNED)
MORNING DTC WAS PRESSURIZED TO 100 PSI AND WING ON THE CONTERWEIGHT SYSTEM TO BE LOWERED TO BOTTOM GR CHOOK, THE LIGHTING PROCEDURE IS HAZAPDOUS, 3 POSTRAWING LINES SEWRED TO DECK CLEARS JUST DIDN'T KEEP ATC FROM Swinding BADLY AND this was in faithy

CALM SEAS. IN MODERATE SEAS IT Will BS ENTROMONY DIFFICULT + AMEARDOUS TO put PTC ANYWHERE ON DECK OF S/V. Some Diffiahly or Porcover in character over they CROND LIFE TO COUNTER - WORGHT SySTEM. A Texo SOME SURGE WAS NOTED DESPITE CONSTENDENT. O-PING GASKETS ON STATES LOOK, ABOUT 1 PSI/ POR SOUND MINUTES. PRO WAS only LOWERDD ABOUT 20 ft, THEN RECOVERED, REGUERLY WAS DANGEROUS BELAUSE OF SOING, AFTER DARK, WHILE I wAS ABOARD THO LAB, PTC WAS Officed AGAIN APTER ADJUSTING WEIGHTS ON THE COUNTERWEIGHT. IN THE RELOVERY, COCCOSHOTI Fell From Photo SHACK Roof AND BOVERDAY SPRAINED (OR BROKE) HIS ANKLE. LAB WAS' BUTTONED UP AND THUKS EQUALIZED YO INTERIOR (ABOUT 1-2 PSI FINAL PROSSURE) SECURED AT 2100.

24 AUGUST - TUESDAY

0900 - REPORTED FOR WORK

OPENED UP THE LAB FOR FINAL TIME BEFORE

PRESSURITATION. WENT ABOARD FOR SYSTEM CHECKOUT.

BOB PORTER SPLICED ON BOO ST OF POWER CORD

TO THE SO ST PIGTAIL YESTERDAY TO ENABLE

POWER VAULT TO BE CONNEXTED ACTOR LAB

15 ON BOTTOM. THE UMBILICAL IS HOOKED UP

So POWER CAME ON AT ABOUT 1045. COMMUNICATIONS BUTABLISHED TO S/V VIA AUDIO AND HE UNSCRAMBLER CKTS. COMMUNICATIONS Excellent quality, All CKTS, ENERCIZED ETCEPT HOT WATER HEATER AND SOME MINOR PROBLEMS WERE NOTED. I ONE OF THE ARAWAKROMPS ISN'T PUTTING OUT GRIEGT PRESSURE, 2. WHEN THE D/H MANTING CKT WAS ENERGIZED A FLASH WAS NOTED IN THE ENTRY AREA. I IMMEDIATELY THROW THE BREAKER BUT IT HAD ALREADY TRIPPED. A MAKE SHIFT BLOWER FOR THE WETSUITS HAD BEEN Physical INTO THIS CKT, AND WAS INADUER TENTLY WIRED FOR A SHORT CIRWIT. THE BLOWER IS REMOVED NOW, FROST FIXED THE ARAWAK. All OTHER ELECTRICAL STUFF CHECKED ON FINOU I TOOK ABOUT 4 REPOINCES FOR THE LOG. DK MINIERS GEAR IS ARBARD EXCEPT THE YDUCERS will be LowerED wet. Colfeper Put of the BADEKET FOR TOLBERTS PLANT EXPERIMENT. I PUT THE MARIGOLDS ABOARD. I CHECKED OUT THE KRUSBERG, + DE-ENERGIZED IT. IT will BE COMBRATED ON THE BOTTOM. THE BB ITTES WERE SET AT 70° FREETER FOR -5°, REPRIG FOR 40°, AND THE LAB WAS BUTTONED UP. FLOODING OF TANKS 1 & 3 STARTED AT 1745. ATTER AN HOUR IT WAS APPARENT THAT THUK 3 (AGT) WAS FILLING

FASTEST. THIS WAS PROBABLY DUE TO THE FACT PLAY THE LAB WAS TRIMMED DOWN A LITTLE STERN HEAVY AND ALSO THE STEPN WAS INTO THE SWELLS. SEWRED AT 1900 WITH PLOUDING STILL GOING ON.

25 Avoust - WEDNESDAY

OBOD - REPORTED FOR WORK AT SCRIPPS PIER.

BLIEFING BY CARPENTER, IT SEEMS THE LAB FLOODED

DOWN AT THE STEEN WITH TANK 3 FILLING

LOVE BEFORE TANK 1, THE UP ANGLE CAUSED A

WATER BLOCKAGE OF THE A 10 + A1 VALUES,

SO TANK 1 GOLD NOT FILL. TO REMEDY THIS,

411 VENT VALVES EFFORT P1 + A10 WERE CLOSED,

B1 + B2 WERE OPENED AND THE WATER

WAS BLOWN OUT OF THE VENT LINES, ALSO,

OVER WIGHT THE LAB LEAKED DOWN FROM 105 PSI

TO 47 PS1. THE PORT COSER GASKETS ARE LEWICING

AND THE EQUALIZING TUBES AND LETTING THE

26 ANGUST - THURSDAY

0806 - ROMORTED FOR WORK.

FREST TEAM BRIEFING ON 5/V. SEDLAB

WILL BE LOWERED TODAY. TOMORROW THE PITC +

POWER HIVE WILL BE LOWERED. ENTRY SHOULD

BE ON SATURDAY MORNING, SEDLAB II

WAS howered to Bottom AT 2 3 PM.

A STOP AT 165 FT TO CAP OFF THES

EQUALIZING PUBES IN THE PORTS WHICH WERE

LEAKING HE. THE COUNTERWEIGHT WORKED

OUTSTANDING. WALLY JONKINS MADE AN

85 FT DIVE ON THE LAB AND REPORTED IT

STEADY AS IF ON THE BOTTOM, IN SPITE OF

4-5 FT SWELLS ON THE SURFACE.

SEWRED AT 1630.

27 AUGUST - FRIDAY
0800- REPORTED FOR WORK
FIRST TEAM ORGANIZATION BRIEFING, PLANNING
AS TO TASKS PERFORMED BY ORIGINAL GUTLY TOAM
4 VARLOUS JOBS TO BE DONE. FOHLER & I MONTED
A KRASBERG (N THE PTZ AS A POZ SENSOR.
THE POWER VANLE (NICE STURDY STEEL MODEL)
WAS LOWERDD, APPARENTLY SAFERY, NOW O-RINGS
INSTANGED ON PTZ HATCH. SOURED AT 1630.

This LOG WILL BO RESUMED AFFOR I GOT BACK OFF THE BOTTOM.

the and the place of the control and the control of

all The Desire a supplication of the decisal of

allow hall expended offers to make

All the country of the property of the

Copy of My BOSTOM LOG.

28 ANGUST - SATURDAY

0800 - REPORTED FOR WORK AT SCRIPPS. WENT

ABOARD THE BERKONE AND SET UP MY DIVING

RIG (MK LE WITH 75/25 HEO2) ABOUT 1000

DR. SEM-JACOBSEN STARTED PUTTING THE ELECTRORS

ON EATON & ME FOR THE BOTTOM EEG RECORDINGS

THEY WERE GLUED ON TO THE HEAD IN ABOUT

LE PLACES WITH THE WIRES GLUED TO THE NECK

\*\* PLACES WITH THE WIRES GLUED TO THE NECK

\*\* PLACES DOWN & OVER THE LEFT SHOULDER

TO A MINIATURE PLUG. 2 ELECTRODES WERE WIRED TO THE CHEST AREA FOR EKG'S. THE ELECTRODES ARE SURPOSED TO LAST FOR SUPPOSED TO LAST FOR

HOURS TO INSTALL ELECTRODES.

1130 - FINAL TALIC BY DR. BOND EMPHASIZING DIVER SAFETY AND ISTRESSING IMPORTANCE OF THE MISSION

1145- FIRST TERM STANDS FOR FINAL PICTURER IN ABOUT 30 PHOTOCRAPHERS AT LEAST, AFTER THIS WE WENT BELOW TO SQUARE AWAY OUR DIVING GEAR FOR THE DIVE, WORD IS PASSED. WE WON'T DIVE UNTIL THE PORTUBLE BELL IS CHECKED OUT AND SECURED AT 80 FT. AS AN EMERGENCY DETEMPRESSION STAGE. THE CHOW HALL GRACIOUSLY OFFERD 1 STAGE.

LIVER ON THE GOUSE. WE ACCEPTED. AS USUAL CHOW WASN'T VERY GOOD. 1343 - ENTRY TEAM (CARPENTER & EATON, TEAM ), TUCKfield & CANNON , TEAM 2) ENTERED WATER. TEAM I OPENED SEALAB HATCH AFTER BLOWING SKIRT AND ENTERED. TUCK + I OPENED THE PTC HATEH. I CLIMBED UP INSIDE, DROPPED THE MERCURY VAPOR LAMP DOWN TO TOCK + TURNED IT ONTO BO USED AS A BEACON. TURNED THE SCRUBBER ON FOR ABOUT 5 MINUTES YO MIX THE HE AND OZ. FROM YHO PTC, THE SHARK CAGE WAS CLEARLY VISIBLE, LIGHTED BY THE AFT DIVING LIGHT, WE GULD HEAR A KOAR AS THE SKIRT WAS BLOWN, THE PTC IS ABOUT 30 FORT AFT AND SLICHTLY TO PORT of SEA LAB. HEN THE ACT PERTHOLE THE MERCRY UMPOR LAMP IS CLORRLY VISIBLE AND VERY REASSURING, BUTTOM VISIBILITY IS GOOD But Very Little Steface LIGHT is. EVIDENT. BOTTOM IS FINE MICH SAND, CLOUDS SETTLE IN ABOUT 2 MINUTES. TOCK OND I HOOKED UP THE FRESH WATER LINES AT YHE POWER VAULE WHICH IS AMIDSHIPS STBO ANDNOT OVER 8 FOR FROM THE LAB. WE TORNED ON ! EMERGENCY BROATAING BOTTLE, 2 02 BOTTLES AND I HE BOTTLE. A LOT OF SMAN FISH ARE STARTING TO CONCREGATE AROUND THE

LAB. WE ENTERED SEALAB + STOWED OUR

MKG AT 1420. THE LAB IS BESTING ON A

STOPE WITH ABOUT 10° UP ANCLE AND 8°

PORT ROM. IT IS A LITTLE UNPLEASANT, THE

ROM AND PITCH INCREASED SLIGHTLY THE FIRST

HOUR WE WERE ABOARD, AS MEASURED BY

A HOME-MADE PLUMB-BOB. THEN IT STABILIZED.

THE INCREASE CAUSED YOURS TRULY SOME

LITTLE CONCERN WHICH PASSED.

THE OTHER SIX CAME DOWN IN PAIRS, COFFMAN + SONDENBURG, SKIDMORE AND CLARKE, JOHLER + MURRAY.

MK & WILL BE A MAJOR PROBLEM. THE
ENTRY AREA IS WAY TOO SMAND. THE SAVITARY
DRAIN HOSEN ARE IS HOOKED UP. BUT MUST
BE FLOATING OP FOR GAS ESCAPES FROM THE
TOILET IF THE HULL VALUE IS OPENED. THE
JHOWER DRAIN HOSE IS NOT GNNESTED:

EVERYBODYS APPETITE IS BOOK GOOD, MORALE'S

15 High AND THE High SQUEARY VOICEZ GET

COTS OF LAUGHS. BUSY WITH STOWAGE,

ENGINEERING AND ENVIRONMENT DATA RETORNING,

CHECKING OUT EQUIPMENT, ETT. SECURING

WORK FOR BED AT 2330. CARPENTER

TALKED TO GEMINI-5 JUST AS I WAS

MALARIA THE HEALTH SATISFIES

DROPPING Off to SLEEP.

29 AUGUST - SUNDAY 0600 - UP AND AT'EM.

COFFET, CHOW A GENERAL SMALL TALK,
STARTING DAYS WORK @ 0800. NO SURFACE
LIGHT VISIBLE. USING DOUBLE 70'S + 90'S
FOR GETTING PRESSURE POTS AND HOOKING
UP SHOWER DRAW HOSE. ALSO THE SANITARY
DRAW HOSE IS WEIGHTED DOWN SO IT
WORKS GOOD NOW. SHOWER DRAW HOSE
POPPED UP SUDDENLY, CAUSING QUICK GAS
LOSS, WATER RISE UP INTO AREA AROUND
THE AFT HATCH. CARPENTER SETURED THE
HULL UALVE ON DRAW UNTIL HOSE GULD BE
WEIGHTED AGAIN.

(A) - 1 THE COURT OF 1 1980 B

TOPSIDE PUMPED GMPRESSED AIR IN UNTIL

SKIRT WAS BLOWN AGAIN. BROUGHT OZ.

CONCENTRATION UP TO 4.8 %.

THE KRASBERG IS DOING AN EXCELLENT JOB

OF MONITRING THE POZ. IT IS RIGHT ON

THE MONEY WITH CAPT. MAZZONE'S GAS

ANDLYZER TOPSIDE. IT ALSO BROUGHT THO

OZ UP FROM 4.15% TO 4.25% WITHIN

1 HOUR. THE SOLENOID CHATTERS QUITE A

BIT WHICH IS AN IRRITANT. ALL POET
HOLEZ ARE OPEN YODAY, BUT WITH NO

LIGHT, THERE'S NOT MOUNTO SEE.

CAN'T SEE THE BUTTOM FROM THE PORT
NOLES.

LOTS OF RED POCK COD AROUND AND AT NICHT THE WATER IS JULI OF SMAN SHRIMP LARVAE, Millions OF THEM WITH CICAR MINNOWS EATING THEM CONSTANTLY & SEVERAL TINY OCTOPUS ON THE PORTS.

MADE A DIVE WITH SONNENBURG AT
1956 ON ARAWAK TO CHOCK ON HOOKUP
OF DIVING LIGHTS. IN AT 2034 WITH NOWE
HOOKED UP. DR. SONNENBURG GOT BEHIND
MULE HAULING SOME POTS AND THE ARAWAK
COULDN'T CATCH HIM UP. TOOK A SHOWER
AND SETURED FROM WORK AT 2130. LOTS
OF WORK AHEAD TOMORROW

30 AUGUST - MONDAY

0600 - HELD REVEILLE ON MYSELF.

BREAK FAST ABOUT 0700, STARTED DAYS

WORK AT 0800. CARPENTER HOLD QUARTERS,

CANE OUT PLAN OF DAY, OPEN TO SUGGESTIONS,

T WATCH LIST. PLAN IS THIS.

0730 - CHOW 0800 - QUARTERS: 0800 - 1130 DIVING 1300 - CHOW
1300 - 1400 SIBSTA
(400 - 1800 DIVING
1830 - CHOW
2200 - TAPS

THE ARAWAK VACUUM # 2 APPEARED TO BE BAD BUT CHECKED OUT TO BE A BINDING POINTER ON THE GAGE.

0918 - TUCKFIELD AND I STARTED TRANSFERRING
PRESSURF POTS AND BRINGING FULL MKG
BOTTLES IN FROM CAGES, REPLACING THOM
WITH EMPTIES. THROUGH BY 0930-

1012- TOCK AND I BRINGING IN P. POTS.

1018 - Finished with That TASK.

1023 - TUCK AND I LOFT TO HOOK UP THE

6 DIVING LIGHTS TO THE PICTAIL DROPPED

DOWN THE BENTHIC TUBE, HOOKED UP 5.

#6 HAS A BAD PLUE AND WILL HAVE TO

BE FIXED.

10+8-CONCLUDED JOB + CAME IN TO GET WARM. 1109-TUCK AND I LOTT TO HOOK UP PREZENRE POT. COMPLETED BY 1118.

AN OEC TV CAMERA WAS SENT DOWN IN THE CAGE AND I INSTALLED IT ALOUGSIDE THE SCRIPPS LAB AREA CAMERA. BOTH SCRIPPS CAMERAS HAVE BURNS NOW AND WITHOUT THE BENTHIC LAB FOR FOCUS CONTROL, GIVE POOR PICTURES. IT IS AMAZING NOW TIME GETS AWAY FROM YOU ....

THERE IS NO SONSATION OF PRESSURE AND
THE WATER DOESN'T SEEM TO BE AS COLD NOW
AS IT FIRST AFFERRED. I WAVE ONE OF THE
DICK LONG SUITS BUT I GET CHILLED AFTER
30-40 MINUTES IN THE WATER (NO VEST USED)
THE SELRET OF GETTING ITON IS TO SOAP DOWN
GOOD WITH PHILDHER UNTIL SLIPPERY.

DID LATER ODD JOBS & SACK.

31 ANGUST - TUESDAY

UP AT MIDWIGHT FOR THE BOOD - 0300 WATCH.

TOOK ENGINEERING AND ENVIRONMENTAL DATA, LOGGED

THE BOTTLE (OPEN 40 OUR REGULATORS) PRESSURE

AS: # ( BIBB-1500, #10 HE-1500, #102-1250

KRASBERG IS DOING AN OUTSTANDING JOB OF

KEEPING OZ AT 4.25%. BUT THE SELENDING

CHATTERS AND IS VERY ANNOYING.

REVEILE HOLD AT 0700. STARTED DAYS WORK AT 0800. IT SEEMS TO ME THAT KEEPING THE PRESSURE POTS MOVING IS OCCUPYING ABOUT SO 20 OF OUR TIME. THE AIRWAK IS TURNING OUT TO BE A GOOD RIG EXCEPT FOR A GOY HAVING TO TOND HIS LINES TO PREVENT ENTANCIOMENT.

YOU CAPUTERS THE COMPRESSORS SO YOU WOULD KNOW IMMEDIATELY IF A FAILURE OCCURRED.

ONE THING THAT IS NOTICEABLE IS THE RAPIDITY OF BREATHING DUE APPARENTLY TO THE GLD WATER. EVERYBODY HUTTS & PUTTS ON THE AIRWAKS. AT 1105 I STAPTED MY DIVINIC ACTIVITY WITH EATON AND WE GOT 48 MINUTES ON THE AIRWAK DOING POT JOBS AND SETTING UP THE STRONGTH TESTS. AT ABOUT 1130 CAPT'S BOND & MAZZONE DROPPED IN FOR CAMPENTER'S SWEARING IN CEREMONY AS COFFMAN SHAPED OVER. THEY HAD ABOUT SHINGTESS IN THE LAB. IT FOLT JUNING SETING THEM HURRY TO GET AWAY WHON WE HAD SO MUCH TIME TO SPAPE.

WHEOLER SENT DOWN A SPARE PLUG AND SERLING TAPE SO J CAN REPLACE THE BAD PLUG ON # 6 DIVING LIGHT. ALSO SENT THE TRICKLE CHAREER DOWN FOR THE BATTERY IN THE PTC. BATTERY IS EMERGENCY PUR FOR SCRUBBER. IT POWERS AN INVERTER.

WORD PASSED ABOUT 1700 THAT THE BOUTHIC LAB IS BEING LOWERD. WE WATCHED THE PORTS PROTTY CLOSELY FOR THEY ARE OUR WEAK Spot. LOTS OF DUDIBLE CREAKING AND CLANKING AND THE WATER GOT ALL STIRRED UP. TOOK & TRIES BEFORE THE RELEASE

MECHANISM WORLD PROPERLY. BONTAIC IS NOT IN SIGHT BUT IS ABOUT 60 FOT ON A BEARING OF 120° ROLATING FROM THE SHARK CAGO, WE WILL LOCATE AND ADOK IT UP TOMORROW MORNING, ATT SUPPOR DT 1830. SECURED WORK AT 2000. THE BUTTLE READINGS ART NOW: # ( BIBB - 1450 PSI , A 1 02 - 800 + # 10 HE - 800 (USED 700 PSIG TO BLOW DOWN TRUNK LOVEL.) WE ARE USING OZ AT A PRETTY GOOD RATE, AN EXPLANATION OF WHICH I FOOL IS: THE COLD WATER AND LOTS OF Mule Working CAUSES RAPID BREATHING ON THO AIRWAK. SO FAR WE'VE HAD TO CHANGE LIOH 2 TIMES, JUNDAY ASTERNOON THE COZ WAS HICH ENOUGH THAT IT WAS NOTICEABLE, CAUSING INCREASED BREATHING PATE So WE CHANGED. THON TODAY ABOUT NOON CO2 WAS ABOUT 2.5 % (SURFACE EQUIV.) AND DEATH BREATHING DISTRESS WAS FOLT. SO WE CHANGED. RELIEF (PERHAPS PSYCHOLOGICAL) WAS FOLT WITHIN THE HOUR.

A NOTE: EVERYONE'S APPOTITE IS RAVENOUS
AND SNACKING GOES ON DLAOST CONTINUALLY.

CANNED ORANGE DRINK (CORBONATED) IS DELICIOUS
IF NOT FIZZY.

THE TILT, 6 up ANGLE, 6° DOWN PORT + 8° ON THE SKEN IS VERY TRUBLESOME. SOME TOOD Spillage HAS OCCURRED AND MOST DISHES SLIDE TO SOME ETTENT, NOW-SKID TABLE TOPS WOULD BE NICE.

I STUCK MY HAND IN THE BETTOM TODAY UP TO MY WRIST AND ITS SPONGY MUD. LIKE SPONGE RUBBER.

TAKEN AS NO TIME FOR IT.

/ SOPT. - WEDNESDAY 0720 - REVEILLE FOR ME QUARTERS AT 0800, PLAN OF THE DAY ETPLANDED AND WOLK COMMENCES, EATON + CARPENTER LOCATED BONTHIC ABOUT 30 ft DE STOO OF SHARK CAGE, WE HAN LED UP THE 2 CABLOS FROM IT THE TUBE. TUCK AND I USED THE ATRINAKS ABOUT 1048 TO PO RIN A TAUT LINE TO THE BENTAIL, BRING IN BAD DIVING LIGHT PLUG AND TRY TO FREE THE POWER CABLE FROM SURFACE YHAST RAW YHE DIVING LIGHTS DURING LOWERING SO THAT IT CAN BE HALLED FREE, THE CABLE IS FOLLED BADLY. BOTTON VISIBILITY IS ABOUT 2 foot today. Jome Surface POUGHNESS PROBABLY AT JOULT, ACCORDING to MURRAY. THE VISIBILITY UP ON THE CONNING Tower 15 ABOUT 20 FORT

LAST NIGHT DR SONNENBURG YOLD US PART SOME CHANGES HOD BOON FOUND IN OUR EBG TRACES, SINCE WE'VE BEEN ON THE BUTTOM, No IDEA AS TO WHETHER GOOD OR BAD CHANGES. STILL FOOL THE SAME, TUCK + I SOURE FOR Lunch AT 1150. STARTED CHECKING out the Benthic Stuff Right AFTER Chow NO STESTA TODAY + IT LOOKS LIKE Those Just won't bu Time FOR Diestas Aloun O Holo. This is Day 5 AND NO TEST HAUE BOON RUN YET. LOTS OF PHYSIOLOGICAL PATA TAKEN. I'm getting used to diving Blood, DUBSN'T BOTHER ME AT ALL. My Palso is Kanning High, 90-100 But Blood Prossult is Nomal POEL GOOD AND BETWE COOPED UP DOESN'T BOTHER ME AT Aft.

Some TROUBLES WITH BENTHIC. Thouse CAN ONLY GET 2 OUT OF 4 CHANNELS OF TO. ONE OUTSIDE CAMERA ALAS A Short TO GROUND IN IT. COMMUNICATIONS IS GOOD. USED THE AQUASONIC SURFACE UNIT QUITE ABIT TODAY IN COMMUNICATIONS WITH TOPSIDE AS AN COMMUNICATIONS IS GOOD LINKS WERE REALLY BUSY. TO-MORLOW WE'LL FIRE OFF THE SIMMER TYPE AQUASONICS UNITS HOPE FULLY ON THE MK 6.

WORKED WITH SYSTEM CHECKOUT
BENTHIC AND TROUBLE SHOUTING JOBS
UNTIL 2100. IT APPEARS TO ME THAT THE
ONLYS VOICES ARE GETTING LOWER,
WE HAVE NO TROUBLE UNDER STANDING
AND TOPSIDE CAN UNDER STAND OUR
AUDIO BETTER THAN PARN THE SE
UN SCRAMBIER
2 SEPT THURSDAY

2 SEPT THERSDAY
0 700 REUBILLE & BREAKFAST
0 800 QUARTERS PLAN OF DAY EXPLAINED
AND PIVING JOBS DISCUSSED.

5/NCO # 1 DIVING LIGHT IS OUT
I'M THE ONE TO FIX IT. BROUGHT IT IN-

BULB CONNECTION. BUT NEW BULB IN

REWIRED IT. WORKS GREAT NOW.

READIED THE TRICKLE CHARGER FOR

THE PTC. THIS KEEPS THE EMERGENCY

BATTERIES FOR THE SCRUBBER PLWAYS

CHARGED UP, PUTTHE T.C. INSIPE 2

PLASTIS BAGS & WEIGHTED SAME,

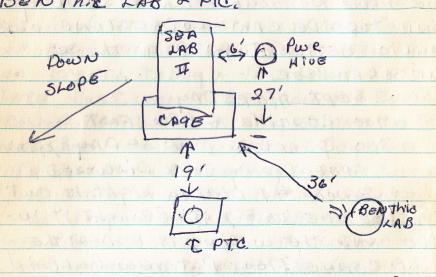
SIDE AND the wiring is BAD At the

NELPED AS DIVER TENDER AND SETTING UP BOC FOR ANOTHER COMMUNication Channel to Topside, I KEEP Busy Constantly on one Little Job

AFTER ANOTHER.

ABOUT 1600-1700 SKID AND I MAKE

PRESSURE POTS, LOADED 6 MKG BETTLES
FOR TO PSIDE CHARCING AND MORSURED THE DISTANCE TO POWER HIVE
BENTHIS LAB + PTC.



CUE GOT THE T.C. & SWAM TO
THE PTC. AS I SWAM UP INTO THE
MOUTH I SAW MANY RISH Flopping on The
SURFACE AND UPON CLIMBING IN, F, SAW
DEAD FISH COVERING THE BOTTOM OF the
PTC. I TOOK ONE Short SNIFF TO
CON FIRM MY SUS PTC IONS THAT THE AIR.
WAS PUTRIO, WENT BACK ON THE AIRWAC,
PUT THE TRICKIE CHARGE ON THE TOP
SHELF & WE LEFT. RETURNED TO
SEALAB. AFTER Shower ing & Penting
ON PRY DUDS, DIO SUPPER SWENT ON

WATCH antil 2100. SEARED my work
pt 2100, SAT PROCEND & HATTING, 73/11 NG
out DAILY REPORT, LETTER WRITING, EIC
UNTIL 2330 WHON I HIT the RACK, VERG
TIRED.

3 SEPT. FIR DAY
0.600 - Tack & I HAUE The 0600 1100 WATCH. MADE BROAK FAST FOR THE
CREW ABOUT 0930.

0800 QUARTERS - Diving Schedule EYPLATUED. TO DAY'S MY DAY FOR Blood LOURRY OTHER DAY I CARPENTER + I HAVE SOME WEIRD ENZYME CHANGE BUT NO ONE 18 SCIRE WHAT IT MEANS, MY PENSE HAS BEEN ABOUT 100 STAVE I'UE BEEN DOWN BUT MY Blood PROSSURE 18 NORMAL. TEMP RUNS ABOUT 99.6 OPAL.

WE TURNED ON #2 02 + Checker

IT AT the REGLATOR. HI HULL VALUE

13 LEAKING PRETTY GOOD & ABOUT

400 PSI MAS LEAKED INTO THE LAB.

RRASBERG SAYS 02 70 is 5.1 70,

NO SWEAT: FRED JOHLER REPLACED

THE VALUE AND NO LEAKS FOUND

#1 Hs — ON LINE HE MARE-UP

#1 O2 — M.T.

#2 O2 - 1425 PSIG (STANDBY O2 MAKEUP)

#6 02 - 1750 PSIG(ON-LINE OR MARE UP) # 1 B) BB - 1300 Psi & (5 margary Broathing System 4 SORTIES MADE TODAY ON MKG I ON ARACUAR. HOORING up Pots, LOADING BOTTLES IN CARES, DOTNE STRENGH TOST + HOORING up TRICKIE CHARGER IN PTC. THANK GOSK GOT IT IN HOW. TUCK CLEANED OUT All the DEAD FISH WHICH WAS A WASIG JOB HETER CLEANUP, WORKED UNTIL 2100 HELPING BENTHIC CONTROL TROUBLE Shoot THOIR TU. CAMERA CONSOLE, ONLY OF 4 CHANNELS WORKS. TOO TIRED TO WORK ANY LONGER. I'UE BEEN TIRED AND DAY AND I NEED TO UNEWIND. LOOKS LIKE NO REAL REST CINTIL WE COME UP, when ever that is. There are so MANY FISH PROUND THE DIVING LIGHTS AND ITS FASCINATING TO WATCH Them. Tuck AND I SAW A RED HORNY STARFISH ON THE PTC, WITH 12 ARMS AND 2 FT ACKOSS. I Thought IT WAS A BIG OCTUPUS AT FIRST. KINDA SCARGO ME. WELL, ITS 2330 AND I'M POOPED, TO BED MEN

2 OF THE 25 PSYC STANDER OF MAKE

THE THE PARTY OF T

4 Sept SATERDAY
0700 REUBINE FOR CREW
0800 QUARTERS AND DIVE SCHEDUIE
EXPLAINED.

MORNIN Sport on Little ODD JOBS FOR ME, DUE TO SOME IRON-CIPTARE STUDIES, Diving SCHE DULE DELAYED SOME WHAT. Murrays wonthor station is out there Somewhere As is the TW TRIPOD AND the WAY STATION. WILBER + MURRAY ARE TO LOCATE AU 3. They FOUND ONLY THE WEATHER STATION. SONNEN BURG AND TOOK TINISHED GETTING THE DEAD tisk out of the PTC AND AIR Thushed IT 4 TIMES, THER ARAWAK HOSES GOT FOULED IN THE TROUGY LINE AND Thoy Thought Thoy HAD thom FROE, But when the trousy WAS Aperiso up, The ARAWAR VOST Almost Got HAULOD CIP CENTIL WE STOPPED TOPSIDE. COFFMAN AND I WENT OUTSIDE TO UNSNAPL The Hoses, I HAD TO ASCEND TO THE upper SAFE Depth Almost to FREE my HOSE But I was CAREFUL to watch My HEIGHTH. UISIBILITY WAS USRY POOR. SPENT ABOUT 25 minutes + Rosing AND UNWINDING HOSES Almost we Light AT this Time OF

PAY, 6 PM. FINALLY, MY UEST

UN ZIPPED SO WE HAD TO COME IN.

THE ARAWAK VEST DESIGN IS VERY POOR

THE REGULATOR IS IN A BAD PLACE,

THE VEST IS IMPOSSIBLE TO ZIP

UP WITHOUT SOME ONE ELSOS HELD

AND IS LIABLE TO UN ZIP AT ANY

MOMENT, ONE WAS TO WATCH HIS ASSES

ALL THE TIME AND PROVENT SNARING.

SHOWERED AFTER SO PRIE - 1755 To 1822,
ATE SUPPOR + STAPTED INSTALLING THE
NEW CAMERA NOW CAMERA SENT FROM
TOPSIAS, PLACED IT LONGSIDE THE
PRESENT ONE MOUNTED IN THE ENTRYWAY, SOME MINOR TRANSLES BUT TINAILY
GOTITIN IT SEEMS THAT THERE ARE
3 CO-AT LEADS TO TOPSIDE IN
UMBILICAL AND ONLY RAPE WORKING
SINCE OUR TO, ENTERTAIN MENT IS ONE,
WE WILL HAVE TO SNAFE TIME WITH
TOPSIDE, LETTING THEM NAUE & CAMERAS
PURING PAYLIGHT, AND I AT NIGHT
WHILE WE WATCH T.U.

THE WATER HAS RISEN IN THE TRUNK TO ABOUT 4" OVER TOP OF TRUNK WE HAVE NO LEAKS SO MUST BE NO ABSORPTION, I GUESS, SURFACE BLEW IT DOWN WITH AIR, Got A Pot Yoday with CANDY FRUIT, COLD CUTS, Chesse AND OTHOR GOODIES. SURE PERIS GOOD TO GOT SOMETHING LIRE THAT. ALMOST LIKE CARISTMAS POALLY.

I WORKED UNTIL 2100 WHON E HAD TO GO ON WATCH UNTIL 2400. PRETTY POOPED AFTER WATCH SO I NIT the RACK.

5 SEPT. SUNDAY
HOLIDAY POUTINE YODAY, NO
SCHEDULED WORK EXCEPT FOR THE
DUTY SECTIONS.

WATCH. GONDRAL CLANUP, REPLACE D LIOH CANISTERS, MOUNTED Blower IN ENTRYWAY TO PRY OUT HOSES + VESTS. COFFMAN WASNED AN HOSES WITH PHISONEX. SAID THEY WERE GETTING RIPE. SOF THE GRYS HADE EAR FUNGUS NOW. EATON, SON DENJERG, CARPENTER, MURLAY AND CLARKE, I AMBETTING IT IN MY RIGHT EAR. HOPE IT POSEN'T GET WORSE. EVELBORG. DIUS, ANY WAY. SOME GENERAL NOTES OR OBSELVATION

PATER I WOOK ON the BOTTOM: 1. SPACE - This LAB IS NOT BIG BNOUGH FOR 10 MON, BYCOPT IN THE BERTHING FROM, THE ENTRY WAY
18 WOO FULLY IN ADO QUARE TO HAN DO
DIVING OPERATIONS. THERE ISN'T BNOUGH
SPACE TO STORE THE BOTTLES OR SET UP
THE RIES,

2. BOTHE ISELATED ISN'T ROTHORING HAVYBODY AND THE MORALE A AIGH. THE THE LOCISTICS APONT CONSUMES LOTS OF TIME. WELL, GROUGH LOG FOR THIS DAY,

O SEPT. - MONDAY

0700 - REUSILLE

0800 - QUARTERS & DIVE PIAN DISCUSSED

TOM CLARK AND I MADE A MK6 DIVE

I CUAS A BUDDY DIVER WHILE HE COUNTED

BOTTOM CRITTERS, WE WENT 30 MOTERS SOUTH

WHICH IS UP ON A HILL ABOUT BOTT

PEPH. SAME DAD MUD BOTTOM. THEN WE WENT

NORTH IS METERS FOR CORE SAM PLES. THE

DIOTUS LIGHTS WERE USIBLE FOR IS METERS
WORTH REMOVED A T.U. CAMERA TO BE SENT

TOPSIDE, MISO HELPED BONTHIC FOCUS THEIR

CAMERA. THE TU. CAMERAS. CONK OUT FAST

POWN HORE FOR SOME REASON, SECURED

WORK AT 1900

B SEPT - WEDNESDAY 0600 - 1100 TUCKFIOLD AND I KAD WATCH. COOKED BREARFAST. FOR THE CROW. AT ABOUT 0930 MADE A CALL to MUCE ENTON, TUCKFIELD FI TALKED TO CAPT. MILLER, DR. VASPER AT, ODUM. SURE WAS NICE TO CAN + TALK TO the Guys BACK there, EATON + I TOOK TOLBERT'S CUPPENT METER OUT 100 PT TO IN STALL IT BOY) WHAT A LARGE HOROY DUDG IT WAS, I CAN SEE WHY NE WAS ANXIOUS TO GET US TO INSTALL IT FOR HIM. WE ONLY Got 2 of the 3 Guy Wiles RIGGED BOFFER OUR TIME PAN OUT. WE LEFT, AT 1440 + RETURNED AT 1520, GAS DOUT 2650, GASIN 1100, UISIBILITY WAS ABOUT WAS ABOUT 10 ROOT TIL IT GOT STIFFED UP then It was zero. The place we located IT FOR HIM IS 73 OF THE WAY TO mulkays weather Station. The Slope is pretty steep and harb to work on you keep scholing pown the Hill. SECULED WORK AT 1800 AT 2000 WE PU HAD INTERVIEWS WITH TO AND

NEWS MODIA. I TAIKEDFOR 10 MINUTES

TO BOD. TO MORROW IS ANOTHER DAY

with CHuck PMINOER of The L.A.

TIMOS, IT WAS INTERESTING TAIR,

4 Sopt. THURSDAY 2700 - Kovelle FOR THOCKOW 0800 - QUARTERS & PLAN OF THE DAG DISCUSSION. AFTERWARDS A MESS AGE ON THE Elev, From G.B. SAYING THAT No more Goodies or 7 Avors and Be SENT POWN, ORDERS From HIS ADM. IT SEEMS THAT ON ONE OF THE Supposedly Conflow time QUESTIONNAILES WE PAILY FILL out : FOR KADLOFF, C.C. HAD STATED THAT HE WAS CHANGING HIS OPINION FROM XCLUT TO GOOD FOR BREST, STAGE HE WAS TIRING OF OMETERS AFTER 5-6 DAYS IN A POW, This MADE THE PAPERS + NOW (TU) CLEAR BACK to D.C. & W. Y. HE IS VORY AND RY About it, with GOOD ROASON. CC HAD A BIG DISCUSSION WITH GB, who SAYS WE SHOULD BAT ONLY WHATS ON THE MENU AND NOT GOOPISS, WE ARE Supposed to BE TRUTHFUL WHEN ASKED WHAT WE'D LIKE But WE PROBABLY WON'T GET IT. The Plat of RATHOR MONN IS HEAVY ON BEEF STEW PUD SPACEMETTI + MEAT. BALLS, RBig FLAD OVOR NOTHING, KOARLY. TUCK AND I WERE LAST TEAM of Drosps. WE WENT out to The Carront motor AND pheim BED IT up, THEN CAME SACKIN. DIVE LASTED FROM

1718 to 1735, Sare Got COLD, But
GOOD VISIBILITY OUT ON THE Slope.
WE Could Dast Make out the Glow
OF Diving Lights 100 Ft. Away. Worked
ON A Diving Lights. AND DIDN'T Socale
UNITIL 930. I'm Getting ORIENTOD OUT ON
THE Slope ALITHE, E NOUGH to CROASE
BETTY NERVOUS ABOUT BEING 150 FEET OUT
Thoro IN TACT, The FUN IS STARTING
TUST BE FORE WE LEAVE.

10-SEPT- FREDAY 0000-0300 HAD THE MIDWATCH. SET UP 2 MK 6 AND TOOK SOME READ ing, watch Passed 74ST. 0700 - REUEINE FOR CREW 0800 - QUARTERS POR MUSTER-Taened OFF AU MIKES AND DISCUSSED The FOOD + BREACH- OF-CONFIDENCE PROBLEM. C. Thruks That Things will quist pown in A couple of DAYS Tuck AND I WENT out ON sortie #69 at 1018 returning at 1032. I MADE A POT KUN AT 1045-1850 AND WE WONT OUT AGAIN FROM 1122 to 1133, WE SET UP DR. MINORS SOUND LOCAL / ZATION EQUIPMENT, MAINLY 3 Hy DROPHONES. NAMPEROD

GREATLY BY POOR UISIBLITY AND AND Scalph Everywhere. "HAVEN'T WORN A HOOD IN BLAYS. GOT NAUSE ATED POR Some REASON. DR. SONNON BURG CAUS MO Some PIUS WHICH CLEAROO The NAUSOA, I'VE STARTED AUTRIPATING COMING UP ON SUNDAY NOW & CHANNEZ FOUR I GUOSS YOU'D CAUIT. The PTC, WAS RAISON AT ABOUT 1800 TO THE YU FOR A SCRUBOWN OF The inside. The FISH oder is 87111 Patrio. THE APUASONIC TRACER WAS WIPED out WON'T BE LOWERD ABAIN UNTIL TOMORROW MORNING. A VERG SMOOTH LIFT OPF. I WATCHED IT GO From the Aft Port Hole, very Little Surge AND only About a 90 TURN. SHOULD BE A SMOOTH KIDE SUNDAY!

Sowfor work At 1830. SATURDAY MISSING -

Sanday - Sept 12

0700 Rougille

0800 BARTH, ILOY + BUCKNER APRIVED

1330 CARPENTER STUNG BY SCULPIN

1518 - EATEN GOES TO PTC FOR RIDE ap

1585. - All TEAM I I 9 MEN I IN P.D.C. With HATCH DoggED

1600 - DECOM PROSSION. STARTED.

SETTON PUBLIF WARTED

SEPT 13- MONDAY

STILL GOING ON DECOMPRESSION-2400 - DE COMP. BNDS, OUT OF CHAMBER SHOWER - Shoot The BREEZE WITH o pum, miller, etc until 0200, 18 800

SEPT 14 - Tales Day

0700 2000118 0800 - PRESS CONFORENCE, TAIKS WITH VARIOUS PEOPLE, STO. DE PRIETING. 1200 - SER aROD FOR the Day - UERG TIRED AND AND AND THE STATE OF THE STATE OF

Had a warman 2 20 Mary for perhaps SEPT 18 WEDNESDAG

1300 - REPORTED TO NAUEL HOSPITAL FOR MEDICAL Check + Psychologiac DEBRIEFING.

2000 FINAUY THRA , WENT HOME

Sept 16- THURSDAG

GETTING THINGS READY FOR T.V. SHOW

SEPTIB- FREDAY 0800 Reported FOR WORR GETTING ORGANIZED TO ASSUME Duties

1130 - EATON FOR T.O. SHOW

1130 - EATON AND I WENT HOME TO GET

DRESSED + FEADY FOR T.O. Show

(Nightliff)

1400 LEFT DRIVING FOR HOME WOOD

1830 REPORTED TO BEV-WIL HOTEL FOR

BRIFFING ON T.D. Show

2000 STARTED T.U. Show

2000 - FINISHED, ON WAY BACK TO

8.D.

SEPT 18-SATURDAY
0930 REPORTED FOR WORK

PAY SPONT IN ME 6 LOCKER OVERHAULING REGULATORS, JAMMING BOTHLESER,
1700. SECULOR WORK FOR THE DAY

SEPT 19 SUNDAY NOW DAY ROUTINE

SEPT 20 MONDAY

0800 PEPORTOD FOR WORK

WORKING IN MKG LOCKER, HAD DUTY
THAT NIGH. WORKOD UNTIL 2130

SEPT 21 TUES DAY
0800 STARTOD WORK
WORKING IN MKG LOCKER

SECURED AT 1600

SEPT 22 WE DNES DAY
0806 STARTED WORK
WORKING IN MK. 6LOCKER-CLEANING
REGULATORS, JAMMING BOTILES, ETC.
SECULED At 1700.

SEPT 23. Thrus DAY
0800 STARTED WORK
WORKED WITH CHAPEPPER TRANSLATING
DATA, ETC. MUST MARE REPORT TO
PAULI BY NOYT WEEK.
SECUROD AT 1800

SEPT 24 7 PHDAY
0800 STARTOD WOFK
WORKING IN MKG LOCKER- HAD THE
Duty, SECURSO AT 2300, G NZED ALL
PTC, BOTHES.

Sept 25 SATURDAY
08 STAPTED WORK - 3 gays From
#3 WENT DOWN, SECURED AT
2100

Sept 26 Sen Pay 0800 STARTED WORK-HOLPING WILBUR ON THE HE BANKS FOR THE PTC. + DDC. 2ND TEAM CAME UP SAFELY.

- 3RD TEAM WONT POWN BAKELY.

OVER HALLING PECONLATORS + FINING.
BOTTLES, ETC.

SECURED AT 1630

SEPT 27 MOMPAY 0800 STARTED WORK IN MKG LOCKER SECURED AT 1680

KED WITH THE REPORT THENSLAT

OPPT 28 WEDNESDA TUESDAY

0800 - STEATED WORK

WORKED IN MIC LOCKER, OVERHANLING REG
NLATORS + ETZ, GETTING THEM READY TO

GO BACK TO MOL, THE CHARLING LINE IS

INSTALLED TO THE BOTTOM NOW. WE CHARGED

ON THE BOTTOM FOR 75 MINITES. HAVE THE

DUTY TODAY. SEWRED WORK AT 2130

SEPT 29- WEDNESDAY
0800- STARTED WORK.
WORKED IN MK 6 LOCKER All Day.
SECURED AT 1630.

SACE DESCRIPTION

I MISSED SATURDAY, SEPT // IN CopyING MY BOTTOM LOG. I will INSERT IT HORE.

11 Sept-SATURDAY

THURSDAY - Sept 30 0800 - Started work mik 6 locker Secured at 1600

FRIDAY - 1 Oct. Duty 0800 - Slandel work - MK & locker Sewed at 2300

Solundar - 2 oct DIVE 0730 stouted work mik 6 locker Secured at 1600

Monday - 4 out - Duty 0800 Start work mk 6 locker Secured at 2200.

Tuesday - 5 oct OIVE 0800 & Startel work who a locker 1600 - Sewed.

60ct - WEDNESDRY
0800 - Started work who Golden
1800 - Sewed 7 oct Morespay 0800 - Started work Me 6 locker 1600- Seewed 8 oct - FRIDBY 0800 - Started work 1600 - Secured 9 oct - Sprurdby - Dury 0800 - 2300 MK 6 work, getting ook ready etc, 10 sot - Surppy - 3PD TEAM UP 0700 - 1800 - working in MKG, Helping on Oz Bosks - 120 ft dive with Corde to look at lowering of bridle for S.L.II. 11 out - Monday - 200 ft air Duré 13Min 0800 - 2000 with BATON ON LAB 7-20 lot of water work getting lab up.
12 oct - trospay -0830 - GOT UNIT CITATION, PODE GEAR TO 13 out - hedriday to 2100 - Ook, Deaned polly drawed water

14 oct - Thursday Pocking, getting can + driving to L.B.

15 oct - Friday Porter May out lot, Sorting gear for MOL. Saturday 16 oct - Holiday 12 oct - Sunday - Holiday 18 Oct Monday -

12.17.17	John	Hours O.T.	TOTOL
		31/2	31/2
	10	1/2	4
	13	1/2	4'h
	16	1/2	5
	19	1/2	51/2
	21	11/2	7
	22	1/2	71/2
	26	1/2	8
	27	1/2	8'2
	31	7	1512
	4061	4	191/2
		1/2	20
	3 4 5 6 7	1/2	201/2
	5	1/2	21
	6	1/2	21/2
	The state of the s	6	27/2
	9	1/2	28
	10	1/2	1
	<u>, 1</u>	1/2	29
	12	31/2	32/2
	13	3	35/2
	14	71/2	43
		21/2	451/2
	16	1/2	46
	, 17 8 5 t	51/2	51/2
	19	2	531/2
	20	1/2	54

DATE	Hours O.T.	, TOTAL			
Aug 21	10	64	DATE	HOURSOT	total
22	5	69	26	8	151
23	41/2	731/2	28	4/2	1551/2
24	11/2	75	out 1	6	161/2
			2 50t	5	169 1/2
BOTTOM HOURS	all and the second	TOTAL	4	5	1741/2
	141/2	141/2			3
29	121/2	27			
30	5	32			
20	8	40			
Sept 1	4	44			
2	4	44			
3	6	54			
4 SAT	15	69			
5	5	74			
6	2	76			
7	7	83			
8	3	86	v		
9	21/2	88/2			
10	41/2	93			
11 SAT	13	106			
12 SUN	71/2	1131/2			
13 PDC	1/4/				
17	5	1			
18 SAT	7	1201/2			
29	41/2	125			
24	6	131			
25 SAT		143			
					A

